



Globe Valves

Globe Valves for onshore applications



APPLICATIONS

- Ammonia service
- Urea service
- Zero leakage requirements
- High and low temperatures
- High pressure
- Corrosive environments
- Oil or gas
- Process isolation
- Abrasive service
- Steam
- Ethylene
- Polythene
- Severe service

Downstream processing and chemical manufacturing valve design draws on equipment designed to satisfy similar API and ANSI specifications to those used in hydrocarbons production projects. Using our history of provision and expertise has enabled us to deliver our globe valve solutions to the same stringent standards demanded by upstream applications. The BEL Valves design is therefore particularly suited for corrosive and hazardous duty, such as Urea Service. Valves can be manufactured from a range of materials, such as austenitic stainless steel and nickel alloys, with body and seats designed to eliminate the unwanted cavities and crevices. For low temperature service such as ammonia production, the valves are made from low temperature carbon steel with 13% chromium trim and stellite hard facing.

OPERATIONAL BENEFITS

Globe valves provide a reliable solution for oil, gas and chemical processing due to the capability of delivering tight shut off at these high and low pressures and maintain this with changing temperature. With a design suitable for closing against full differential pressure, globe valves can also be modified to provide accurate throttling service. Typical applications include downstream processing, urea and ammonia production and these tend to be viscous and non-lubricating fluids with noxious effects if released to the atmosphere – with the clear critical requirement of tight shut off. Globe valves can be opened and closed to give a gradual change of flow having the benefit of reduced risk of downstream pressure shock.

MATERIALS, SPECIFICATION AND APPROVALS

Our entire range of globe valve designs are in accordance with the relevant industry codes and standards including:

- ASME B16.34
- ASME B16.10
- API 623
- BS 1873

The designs also provides fire safe requirements in accordance with international standard API 6FA and ISO 10497.

STANDARD AND OPTIONAL FEATURES

- Flanged, butt weld, socket weld, hub connectors or other end connections
- Hard facing on seating
- Duplex trim
- CRA overlays
- Gas tight, Tungsten Carbide coated, metal to metal sealing
- Globe, angle or Wye pattern



ENGINEERING EXCELLENCE

MANUFACTURING EXPERTISE

PROJECT DELIVERY

FLEXIBILITY OF APPROACH

CONFIDENCE

BEL Valves are leaders in the design and manufacture of critical subsea and surface valves, actuators and controls for the oil and gas industry worldwide.

Specific design and engineering focus is placed on high pressure and high integrity applications to ensure the delivery of optimum solutions for the most hostile environments.

Our enabling technologies ensure the most complex systems can be developed in a reliable and safe manner.



We encourage customers to visit our site and make use of our in-house resources. However, logistics dictate that this is not always possible which is why we have established a network of local support:

- | | |
|----------------|----------|
| Africa | Brazil |
| Europe | Far East |
| Gulf of Mexico | India |
| Middle East | Norway |
| Russia & CIS | UK |

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